Appendix B
Meteorological Data

This section contains meteorological data derived from various regulatory and non-regulatory sites. The data provides a comparative analysis of winds speed, wind direction, wind gusts and concentration data. Please note that meteorological instruments measure at different heights, and at different time intervals. By taking, the actual time of measurement and assuring that all data represented is in Pacific Standard Time (PST) there is uniformity of the data. In addition, not all stations measure at the exact same time, i.e. measurements at 053 and 056 therefore, comparisons are measurements within a 60-minute period. While there may be some overlapping and slight differences the comparative analysis provides the reader with a better understanding of the regional effect of the Exceptional Event.

FIGURE B-1
METEOROLOGICAL AND AIR QUALITY SITES REFERENCED IN THIS DOCUMENT

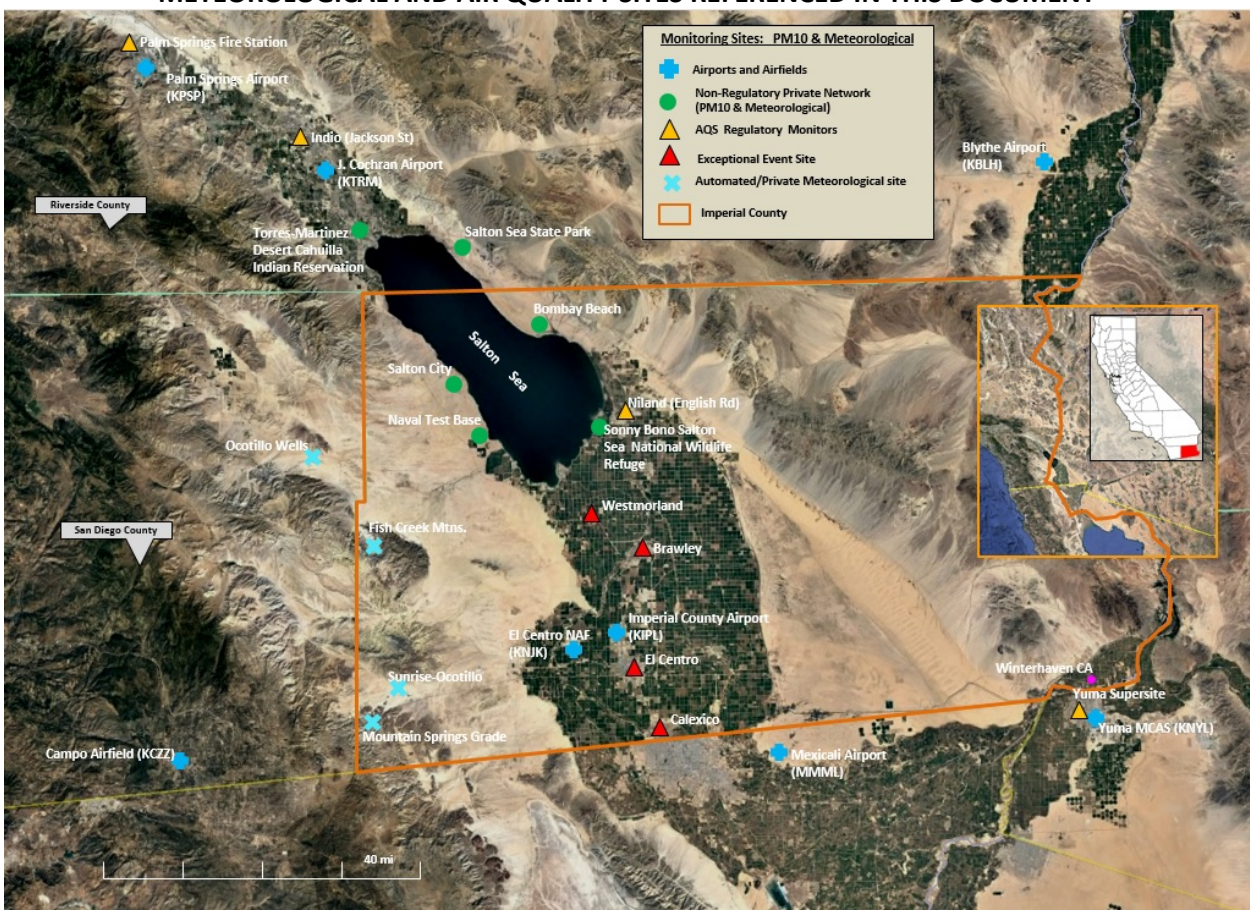


Fig. B-1: A collection of meteorological and air quality sites referenced in this document. Base map from Google Earth.

IMPERIAL COUNTY SITES
FIGURES B-2 THROUGH B-13

FIGURE B-2
IMPERIAL COUNTRY AIRPORT (KIPL)
WIND SPEED (AVERAGES), GUSTS & DIRECTION

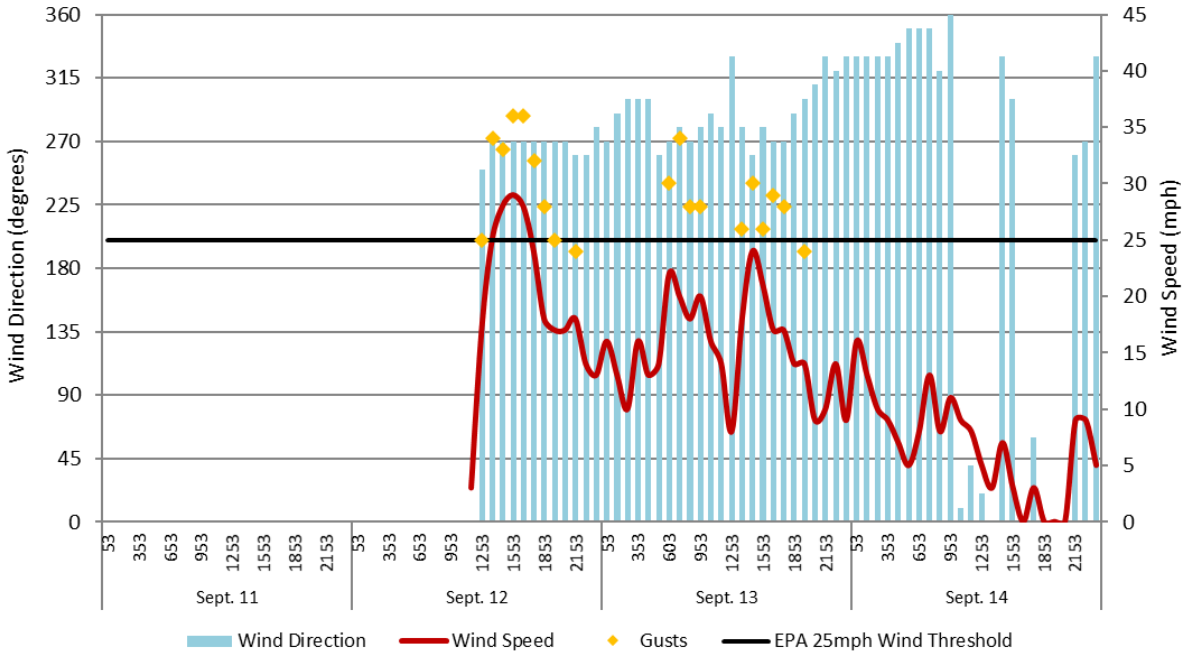
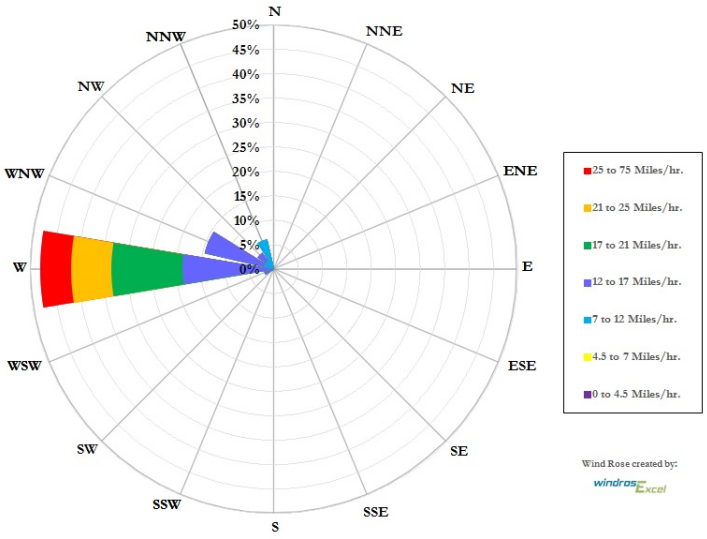


FIGURE B-3
IMPERIAL COUNTRY AIRPORT (KIPL) WIND ROSE – SEPTEMBER 12-13, 2016



Figs. B-2 & B-3: Imperial Airport meteorological data for September 12-13, 2016 shows that west winds were over 25 mph on the 12th, and just under on the 13th. The site is missing partial data on September 12. Wind data from the NCEI's QCLCD system.

FIGURE B-4
EL CENTRO NAF (KNJK)
WIND SPEED (AVERAGES), GUSTS & DIRECTION

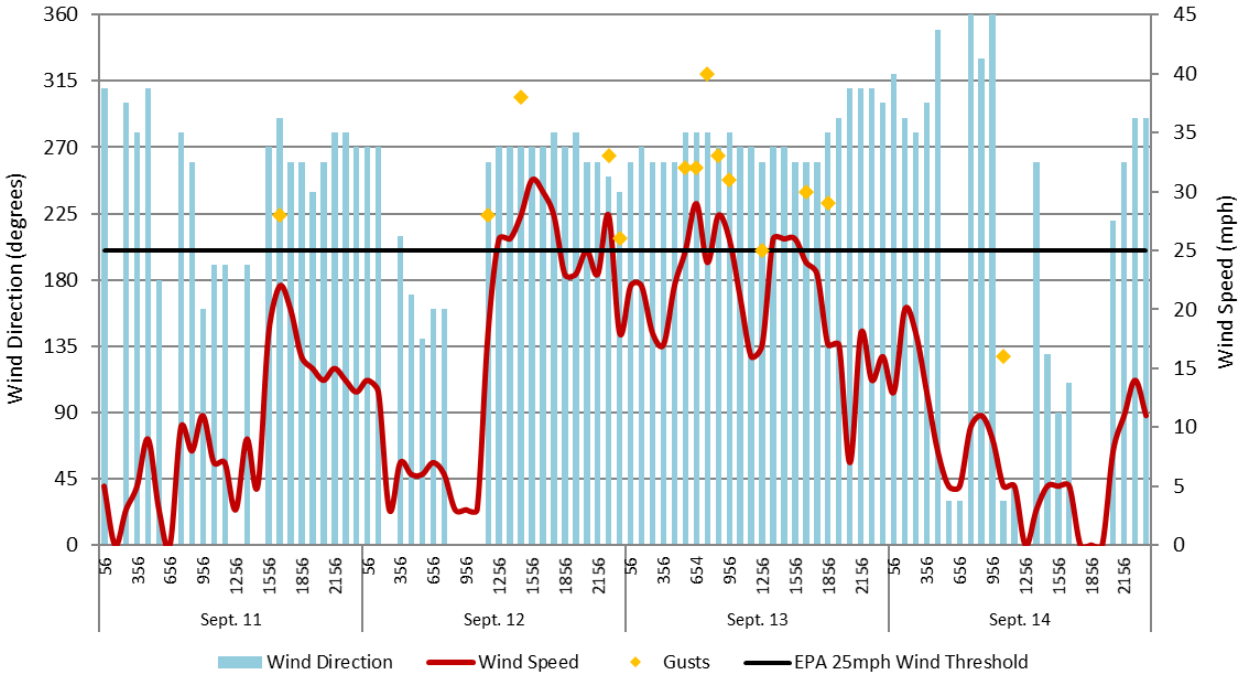
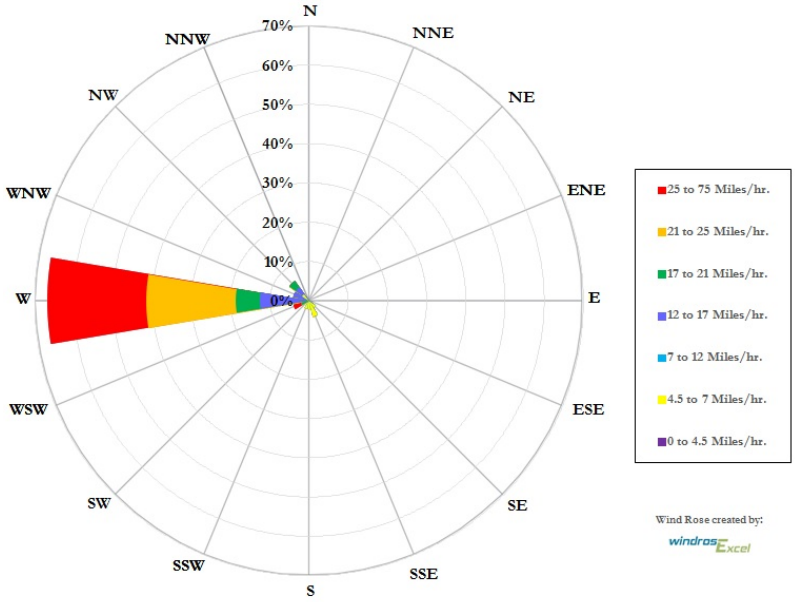


FIGURE B-5
EL CENTRO NAF (KNJK) WIND ROSE – SEPTEMBER 12-13, 2016



Figs. B-4 & B-5: El Centro NAF meteorological data for September 12-13, 2016 shows that west winds were over 25 mph. Wind data from the NCEI's QCLCD system.

FIGURE B-6
CALEXICO
WIND SPEED & DIRECTION

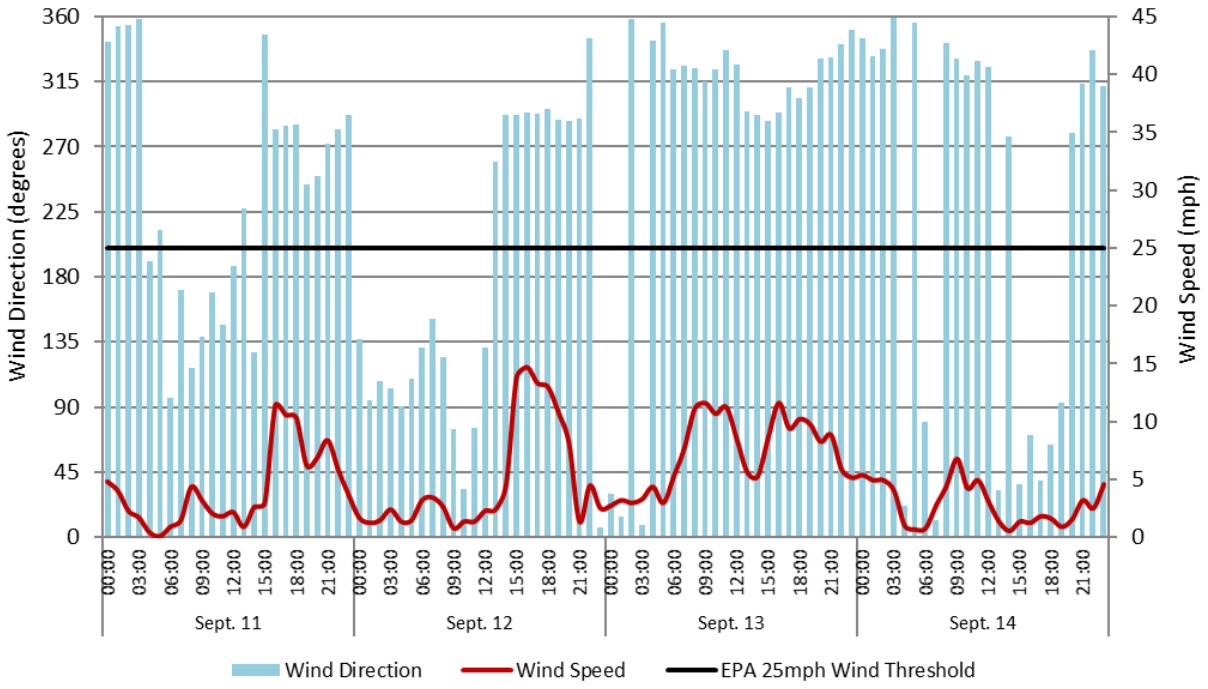
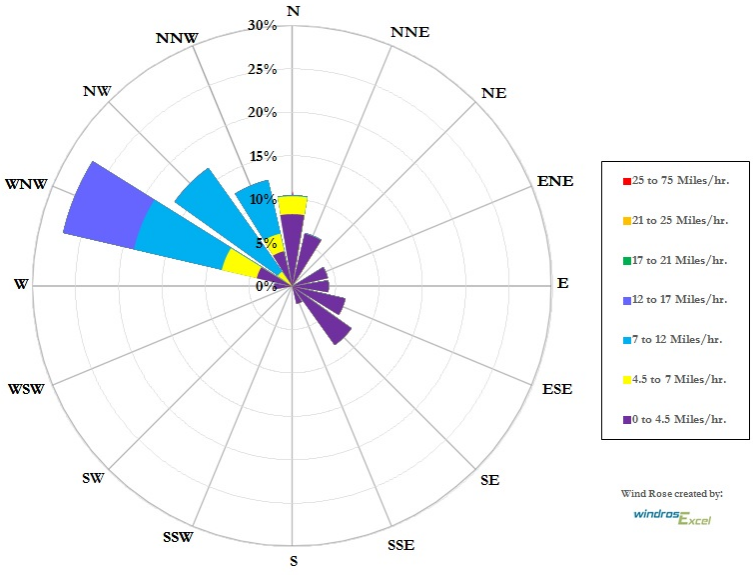
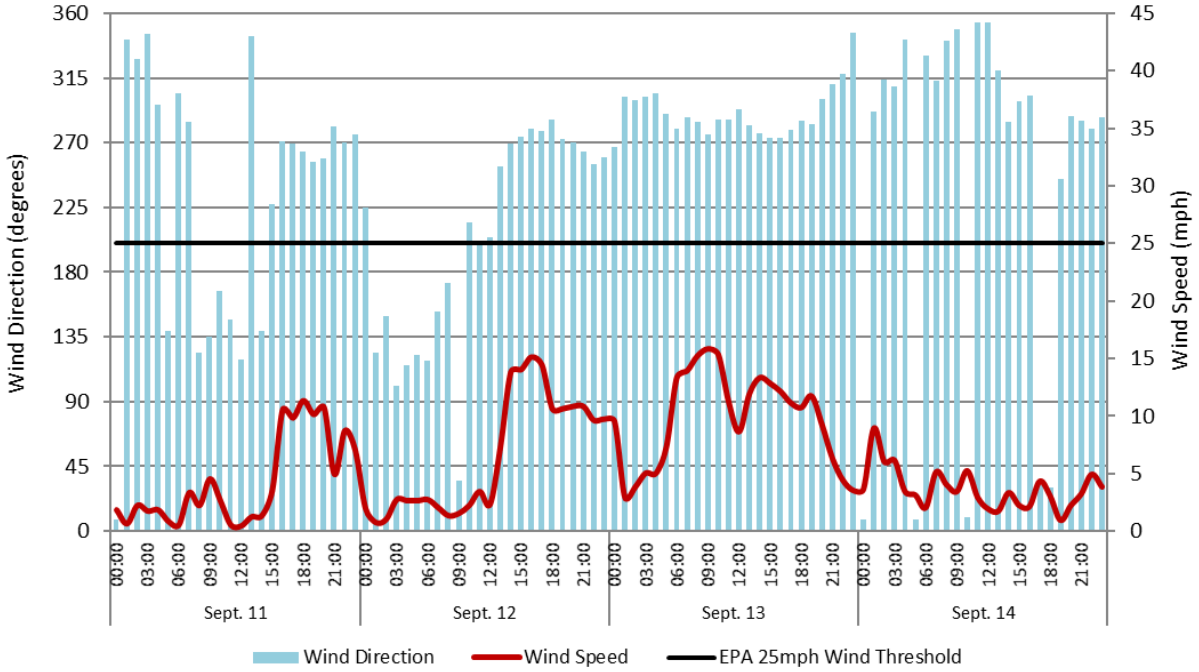


FIGURE B-7
CALEXICO WINDROSE – SEPTEMBER 12-13, 2016

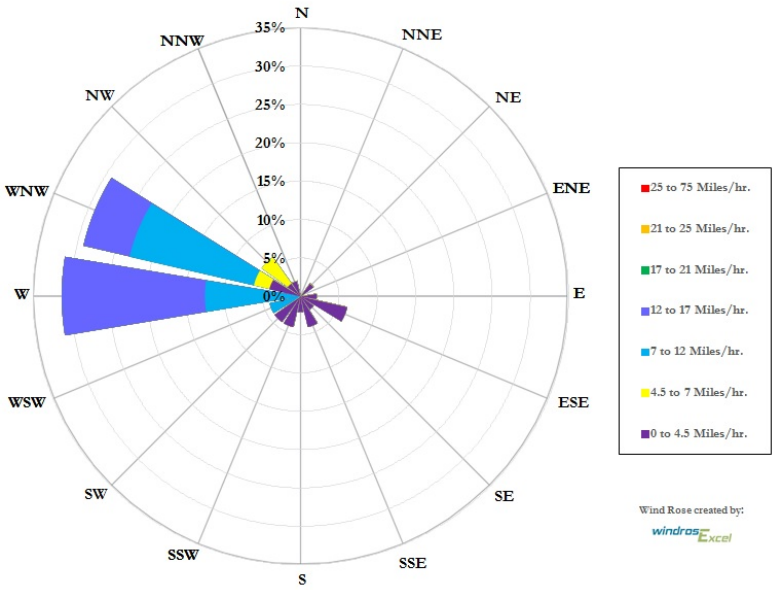


Figs. B-6 & B-7: Calexico meteorological data for September 12-13, 2016 shows that the station received predominantly WNW under 25 mph. Wind data from the EPA's AQS data bank.

FIGURE B-8
EL CENTRO (9TH St)
WIND SPEED & DIRECTION



FIGURES B-9
EL CENTRO (9TH ST) WIND ROSE – SEPTEMBER 12-13, 2016



Figs. B-8 & B-9: El Centro station meteorological data for September 12-13, 2016 shows a distinct W-WNW direction. Wind data from the EPA's AQS data bank.

FIGURE B-10
NILAND (ENGLISH RD)
WIND SPEED & DIRECTION

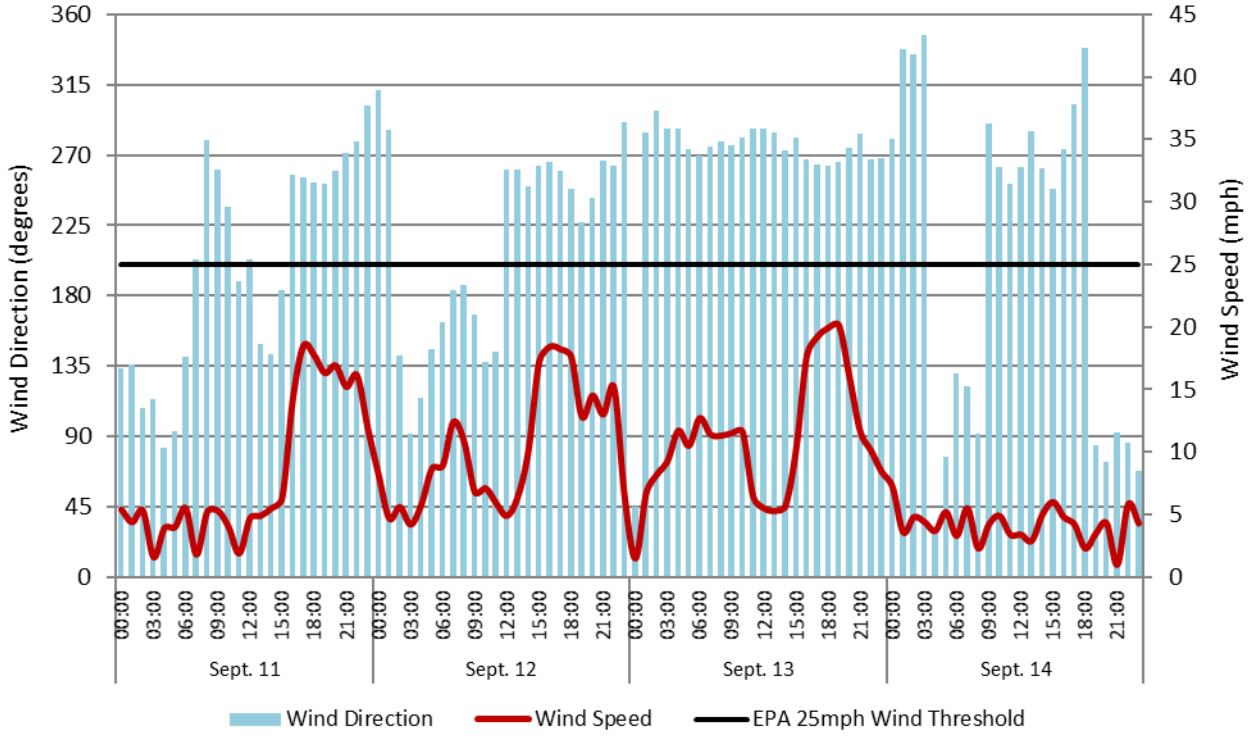
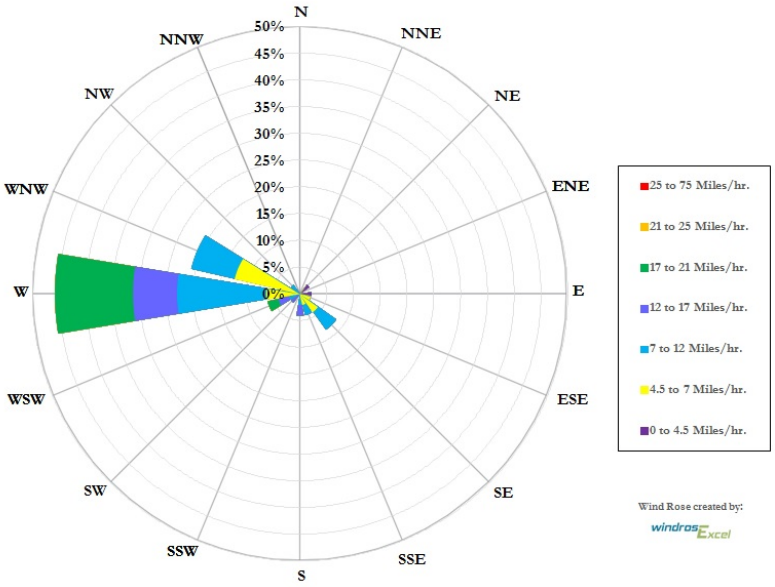


FIGURE B-11
NILAND (ENGLISH RD) WINDROSE – SEPTEMBER 12-13, 2016



Figs. B-10 & B-11: Niland wind data for September 12-13, 2016 shows a distinct west direction for the highest winds. Wind data from the EPA's AQS data bank.

FIGURE B-12
WESTMORLAND
WIND SPEED & DIRECTION

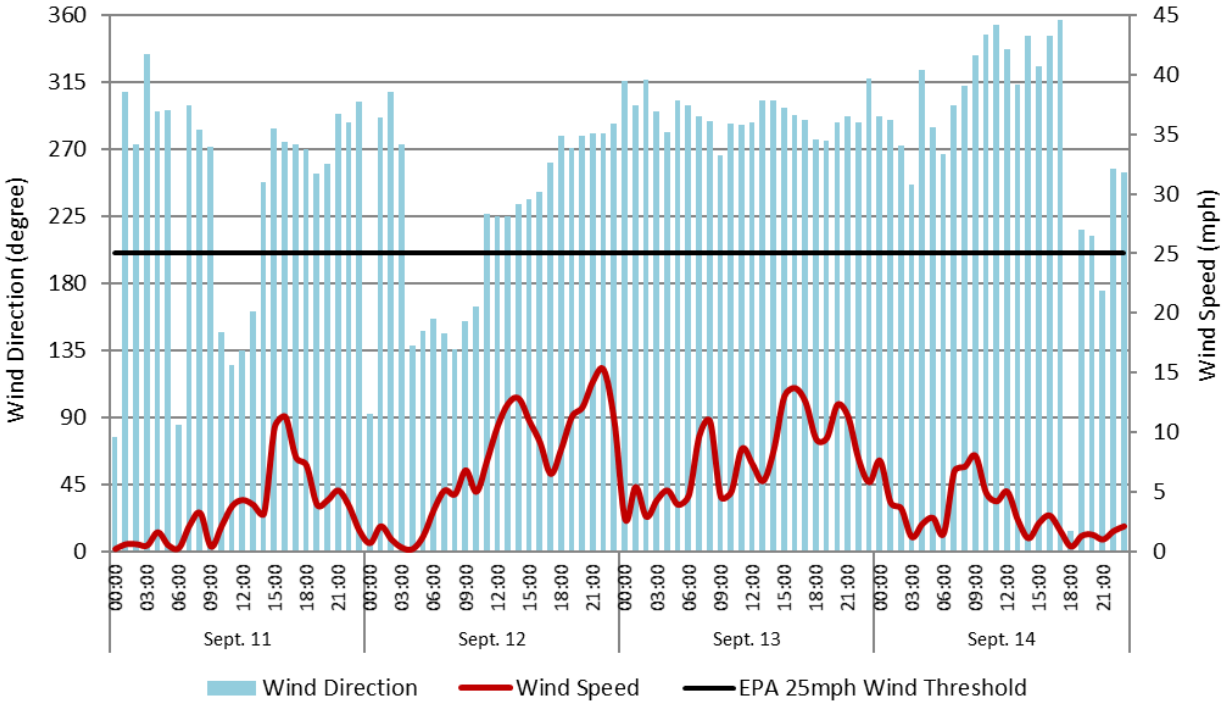
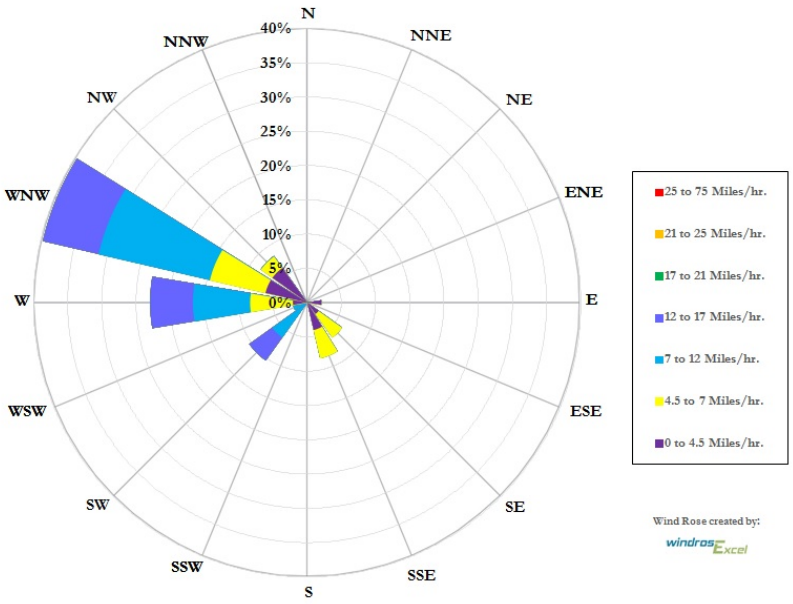


FIGURE B-13
WESTMORLAND WINDROSE – SEPTEMBER 12-13, 2016



Figs. B-12 & B-13: Westmorland station meteorological data for September 12-13, 2016 shows a distinct W-WNW direction for the highest winds. Wind data from the EPA's AQS data bank.

EASTERN RIVERSIDE COUNTY SITES

FIGURE B-14
BLYTHE AIRPORT (KBLH)
WIND SPEED (AVERAGES), GUSTS & DIRECTION

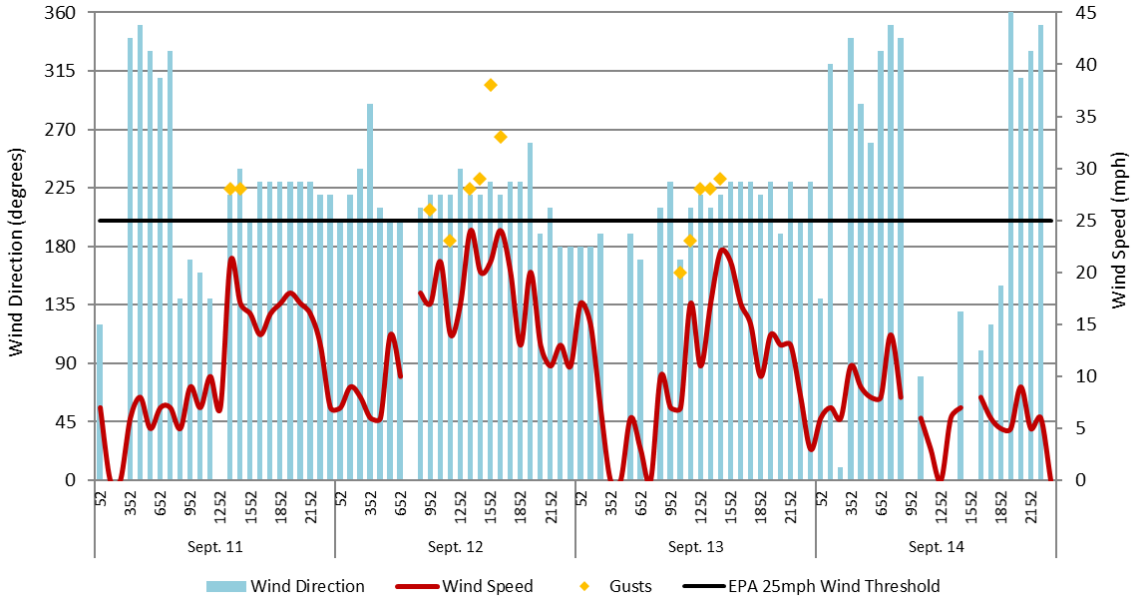


Fig. B-14: Wind data from the NCEI's QCLCD system.

FIGURE B-15
JACQUELINE COCHRAN REGIONAL AIRPORT (KTRM)
WIND SPEED (AVERAGES), GUSTS & DIRECTION

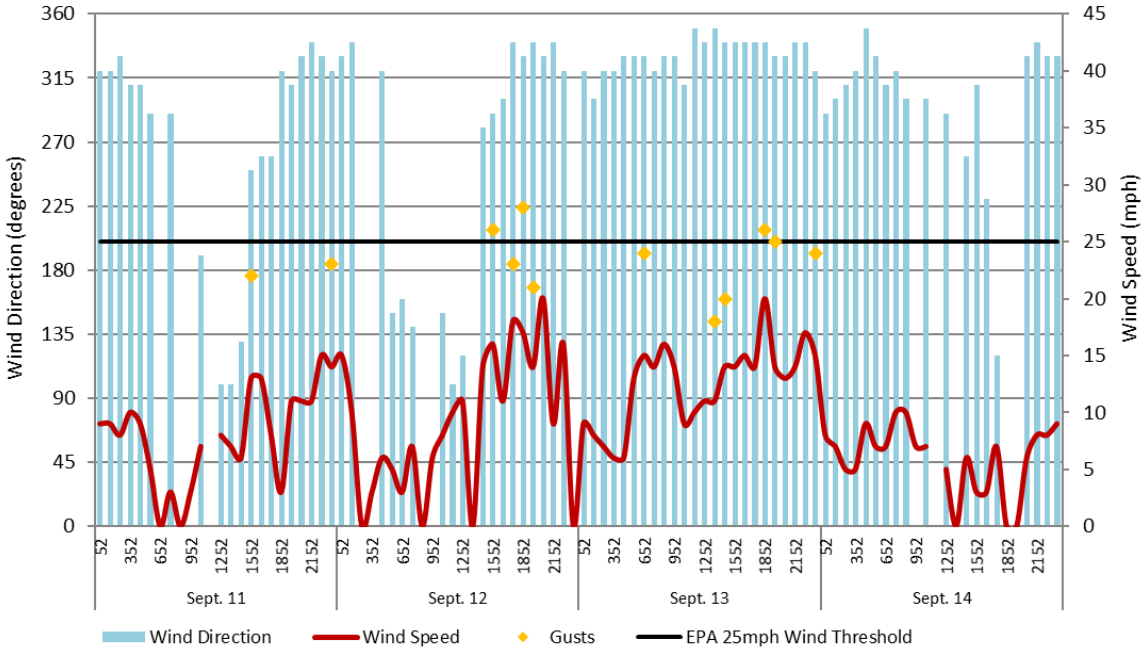


Fig. B-15: Wind data from the NCEI's QCLCD system.

FIGURE B-16
PALM SPRINGS INTERNATIONAL AIRPORT (KPSP)
WIND SPEED (AVERAGES), GUSTS & DIRECTION

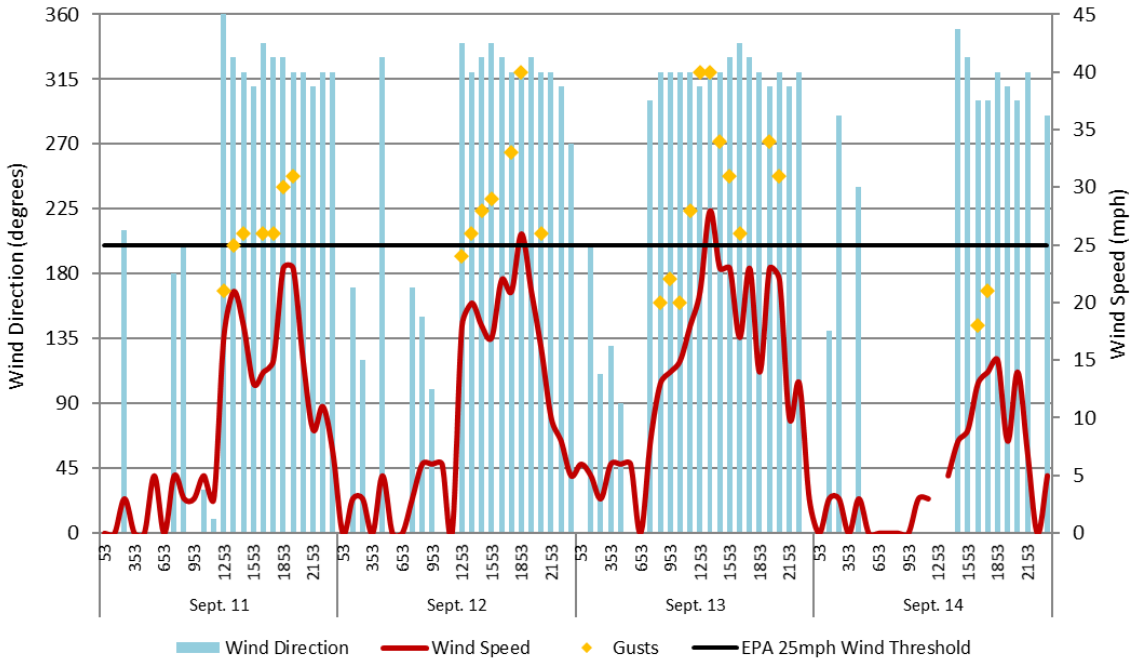


Fig. B-16: Wind data from the NCEI's QCLCD system.

SOUTHEAST SAN DIEGO COUNTY

FIGURE B-17
CAMPO AIRFIELD (KCZZ)
WIND SPEED (AVERAGES), GUSTS & DIRECTION

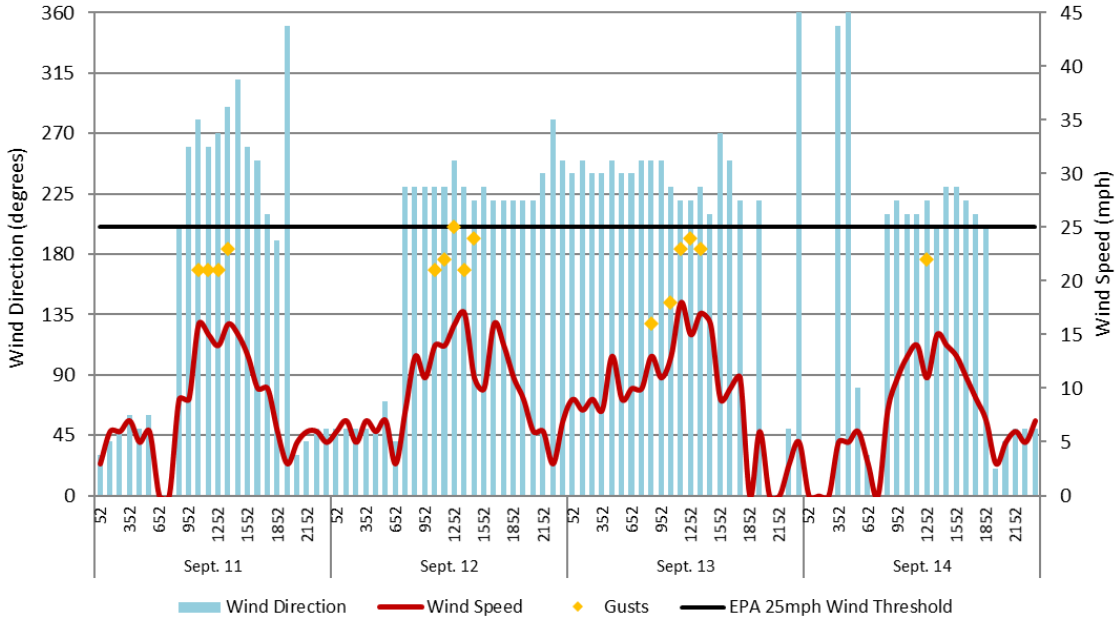
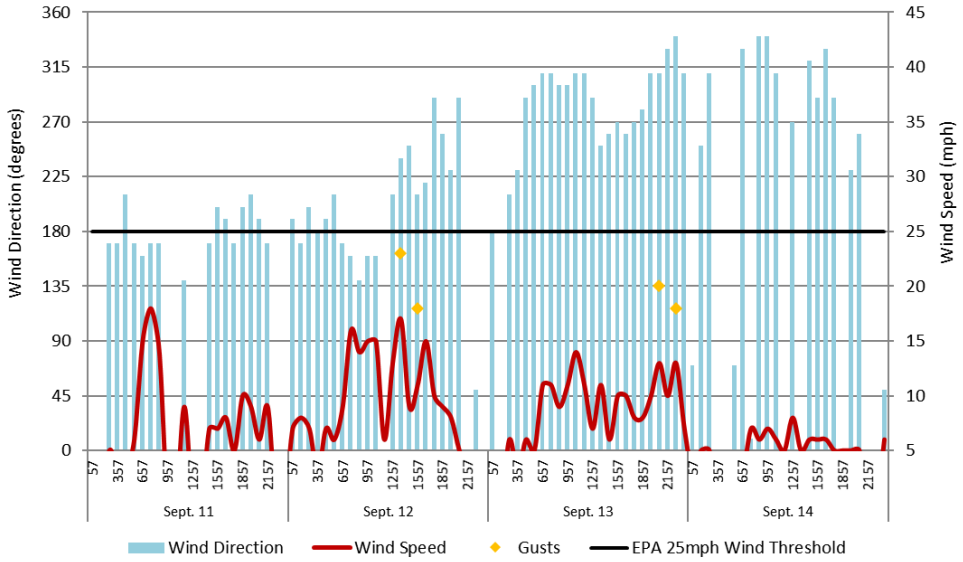


Fig. B-17: Wind data from the NCEI's QCLCD system.

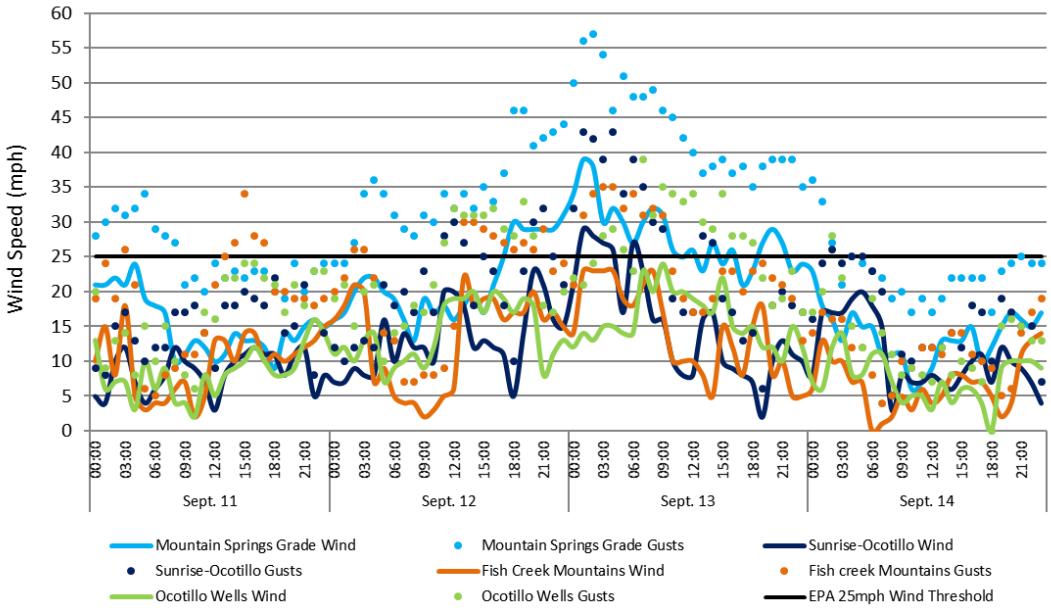
SOUTHWESTERN ARIZONA

FIGURE B-18
YUMA MCAS (KNYL)
WIND SPEED (AVERAGES), GUSTS & DIRECTION



Figs. B-18: Yuma MCAS (KNYL), downstream from Imperial County, did not have winds of 25 mph. Data from the NCEI QCLCD system.

FIGURE B-19
UPSTREAM WIND SITES
WIND SPEED (AVERAGES), GUSTS & DIRECTION



Figs. B-19: The following sites were upstream from Imperial County during the September 12-13, 2016 wind event. Data from the University of Utah's MesoWest data bank.

FIGURE B-20
MOUNTAIN SPRINGS GRADE
WIND SPEED (AVERAGES), GUSTS & DIRECTION

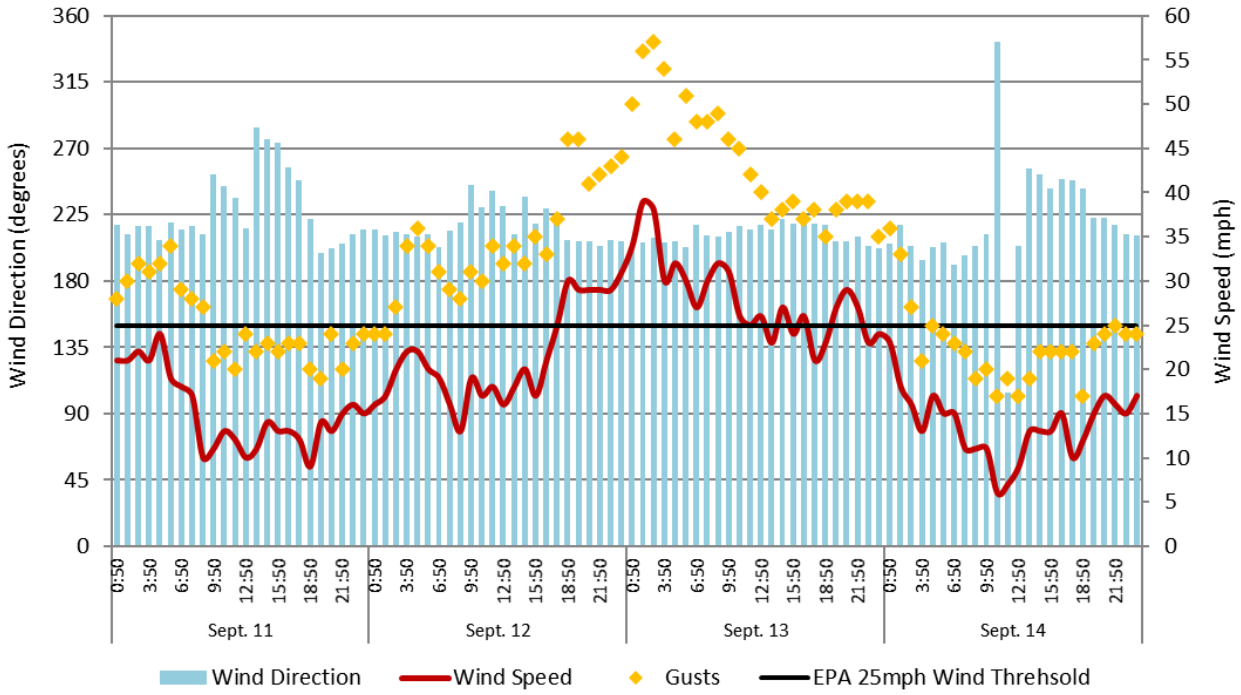
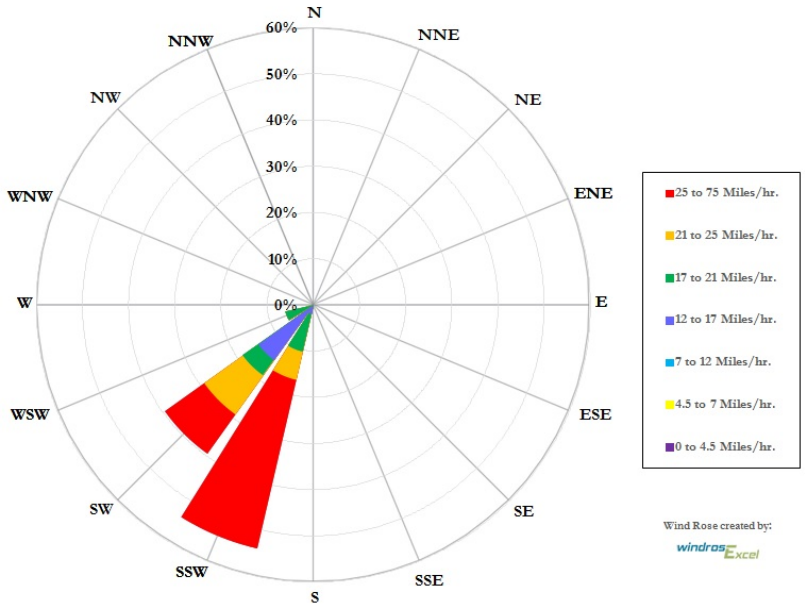


FIGURE B-21
MOUNTAIN SPRINGS GRADE WIND ROSE – SEPTEMBER 12-13, 2016



Figs. B-20 & B-21: Mountain Springs Grade (TNSC1) on the desert slopes (elev. 2,044 ft) upstream from the Imperial County monitoring stations had both winds and gusts of over 25 mph. Data from the University of Utah's MesoWest.

FIGURE B-22
SUNRISE-OCOTILLO
WIND SPEED (AVERAGES), GUSTS & DIRECTION

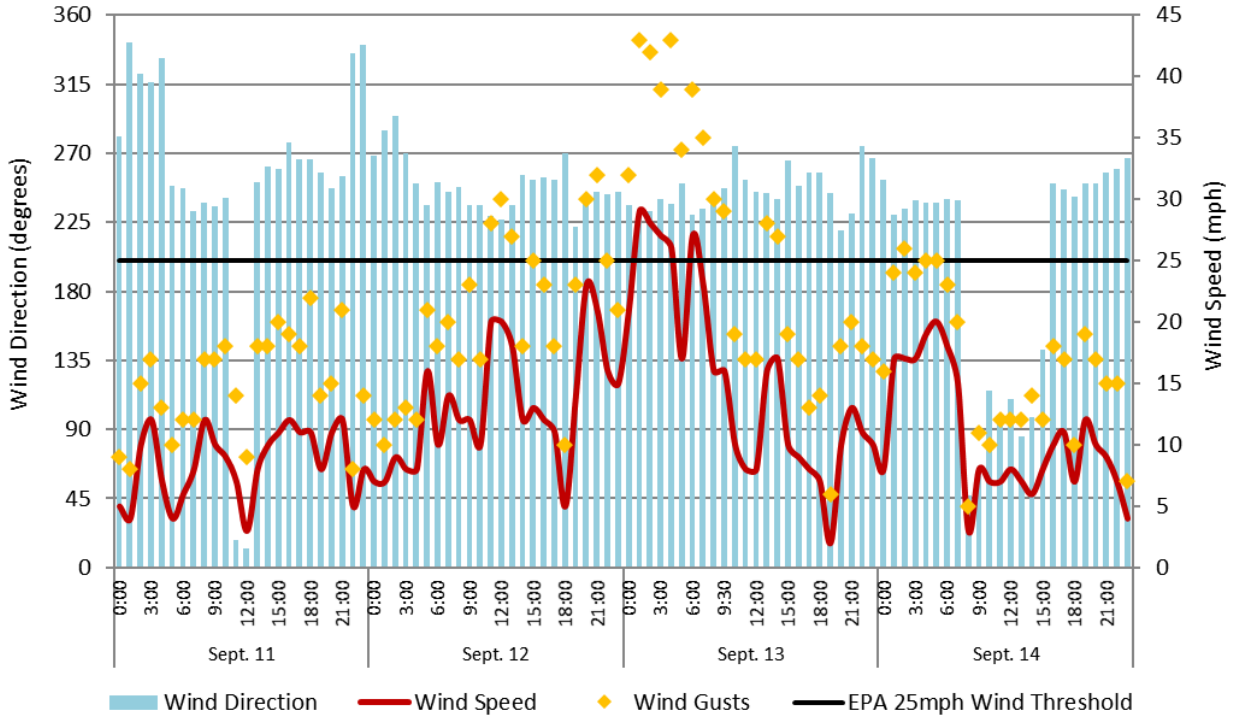
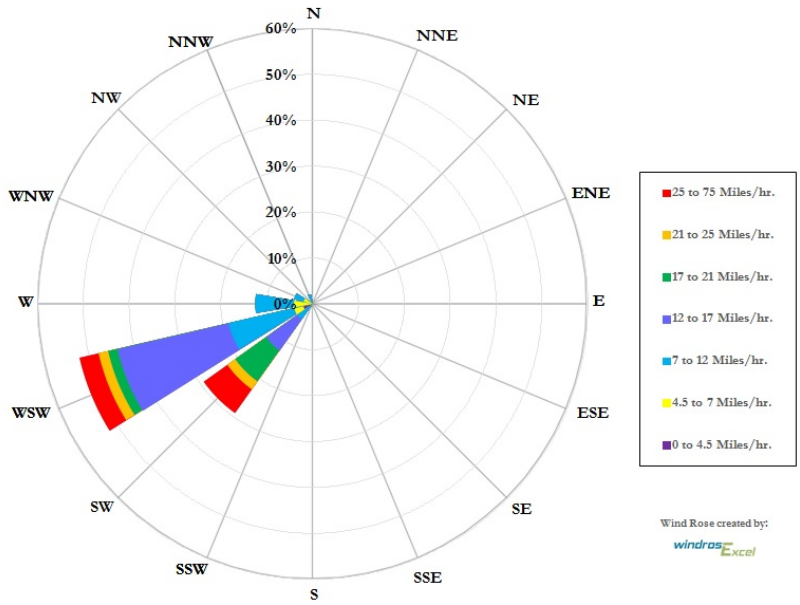


FIGURE B-23
SUNRISE-OCOTILLO WIND ROSE – SEPTEMBER 12-13, 2016



Figs. B-22 & B-23: Sunrise-Ocotillo (IMPSD) near the desert floor (elev. 695 ft.) had both winds and gusts of over 25 mph. Data from the University of Utah's MesoWest.

FIGURE B-24
FISH CREEK MOUNTAINS
WIND SPEED (AVERAGES), GUSTS & DIRECTION

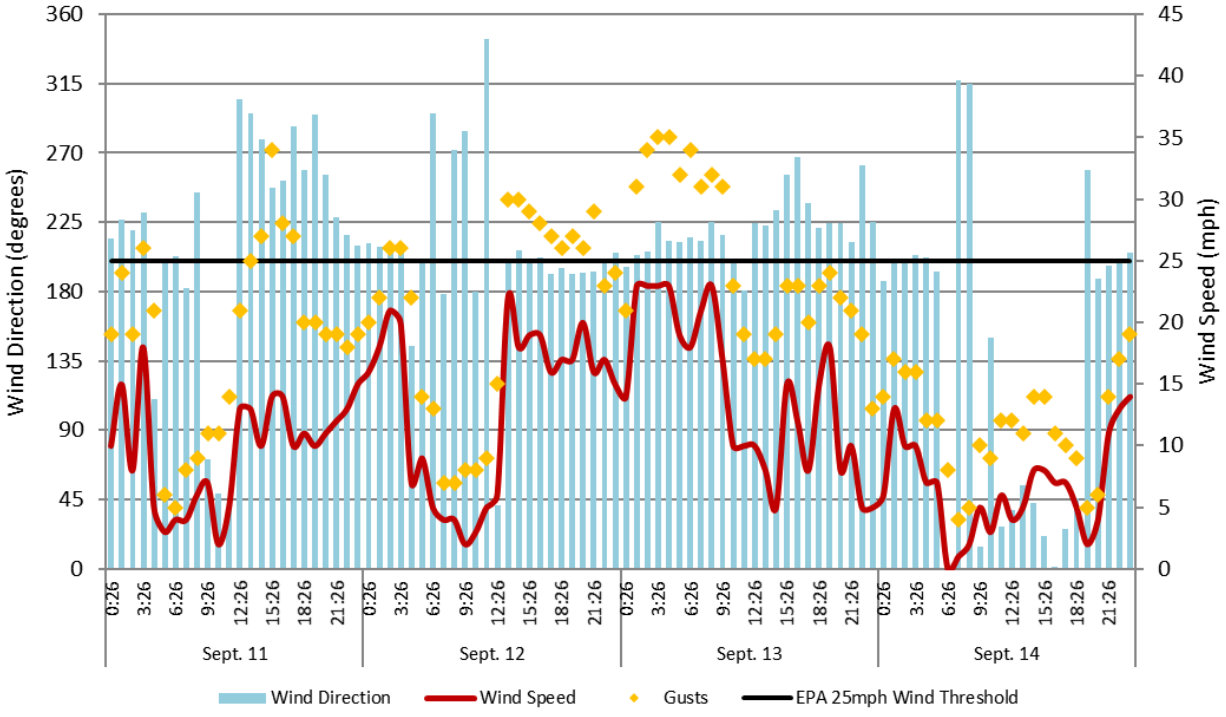
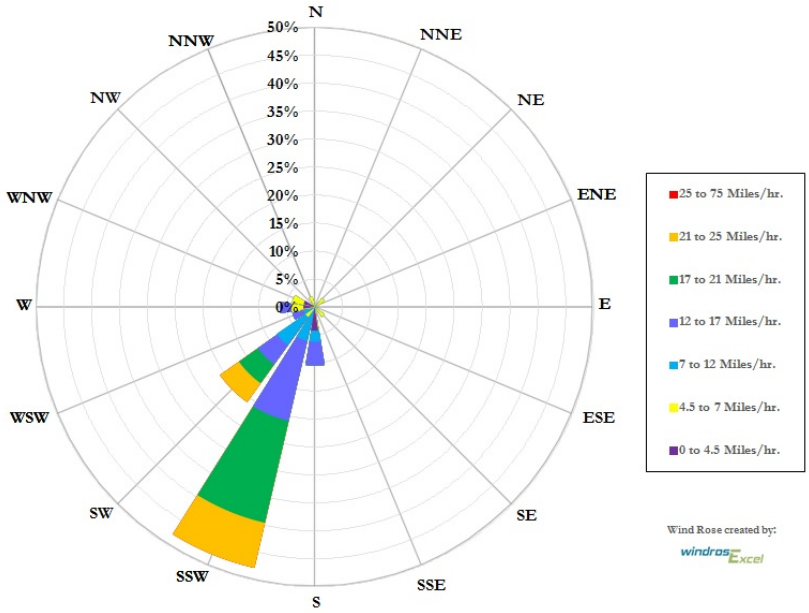


FIGURE B-25
FISH CREEK MOUNTAINS WIND ROSE – SEPTEMBER 12-13, 2016



Figs. B-24 & B-25: The Fish Creek Mountains (FHCC1) near the desert floor (elev. 781 ft.) had gusts of over 25 mph. Data from the University of Utah's MesoWest.

FIGURE B-26
OCOTILLO WELLS
WIND SPEED (AVERAGES), GUSTS & DIRECTION

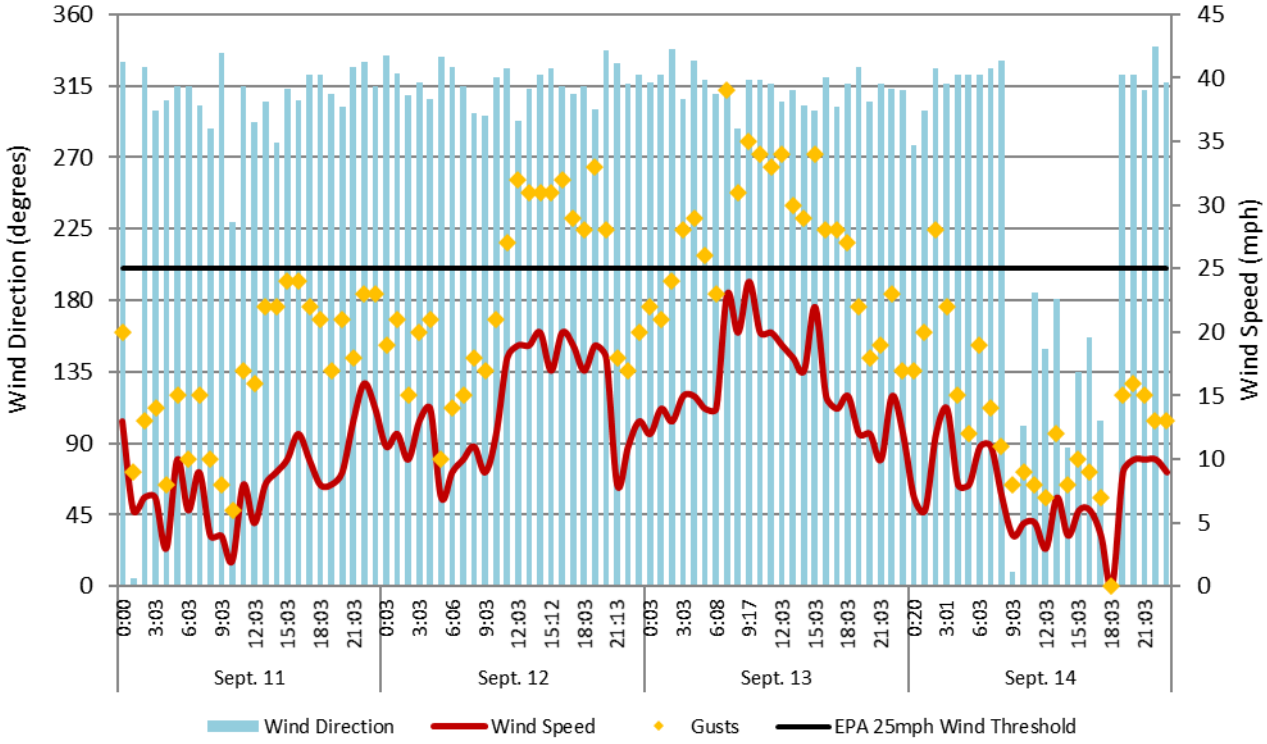
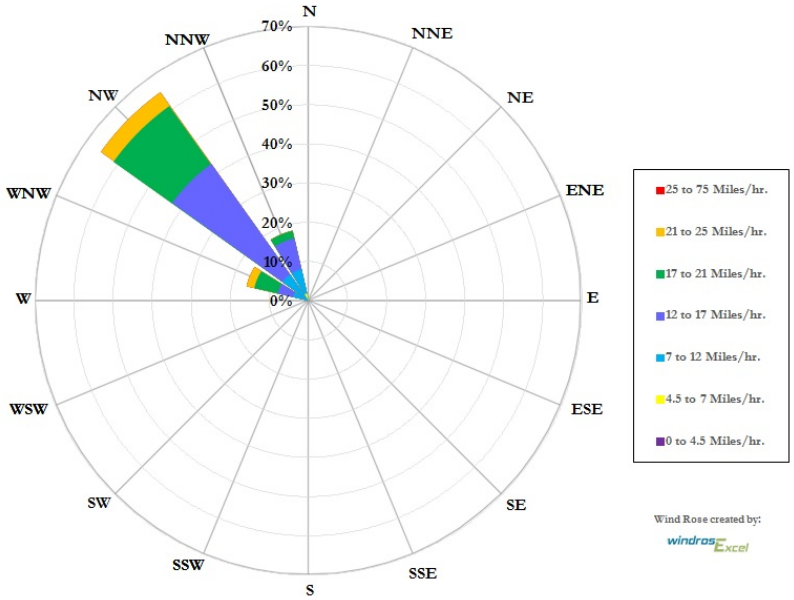


FIGURE B-27
OCOTILLO WELLS WIND ROSE – SEPTEMBER 12-13, 2016



Figs. B-26 & B-27: Ocotillo Wells (AS938/KD6RSQ5) near the desert floor (elev. 419 ft.) had gusts of over 25 mph. Data from the University of Utah's MesoWest.

FIGURE B-28

IMPERIAL COUNTY AIRPORT (KIPL) QCLCD – SEPTEMBER 12, 2016

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

Local Climatological Data
Hourly Observations
September 2016
Generated on 06/28/2017

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Elev: -58 ft. Lat: 32.8342° N Lon: -115.5786° W
Station: **IMPERIAL CO AIRPORT, CA US WBAN:03144**

Date	Time (LST)	Station Type	Sky Conditions	Visibility	Weather Type (see documentation)	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Altimeter Setting (inHg)
					AU | AW | MW	(F)	(C)	(F)	(C)	(F)	(C)											
12	0053	7	CLR:00														29.85	6	+0.01		FM-15	0.00	29.79
12	0153	7	CLR:00														29.85				FM-15	0.00	29.79
12	0253	7	CLR:00														29.84				FM-15	0.00	29.78
12	0353	7	CLR:00														29.85	5	+0.00		FM-15	0.00	29.79
12	0453	7	CLR:00														29.86				FM-15	0.00	29.80
12	0553	7	CLR:00														29.87				FM-15	0.00	29.81
12	0653	7															29.88				FM-15	0.00	29.82
12	0753	7	CLR:00														29.88				FM-15	0.00	29.82
12	0853	7	CLR:00														29.88				FM-15	0.00	29.82
12	0953	7	CLR:00														29.87	8	+0.01		FM-15	0.00	29.81
12	1053	7	CLR:00														29.85				FM-15	0.00	29.79
12	1153	7											3	VRB			29.81				FM-15	0.00	29.75
12	1253	7	CLR:00			104	40.0	101	38.2	51	10.6	17	17	250	25	29.78				FM-15	0.00	29.72
12	1305	7	CLR:00			104	40.0	100	37.8	52	11.1	18	22	260		29.77				FM-16		29.71
12	1349	7	FEW:02 8	4.00	HZ:7 |FU:05 |HZ:05	102	39.0	97	36.0	52	11.0	18	23	270	34	29.75				FM-16		29.69
12	1353	7	CLR:00	6.00	HZ:7 |FU:05 |HZ:05	103	39.4	98	36.9	52	11.1	18	25	270	31	29.75				FM-15	0.00	29.69
12	1453	7	CLR:00	7.00		102	38.9	100	37.5	48	8.9	16	28	270	33	29.73				FM-15	0.00	29.67
12	1553	7	CLR:00	7.00		99	37.2	96	35.5	46	7.8	16	29	270	36	29.72	8	+0.04		FM-15	0.00	29.66
12	1653	7	CLR:00	7.00		96	35.6	90	32.5	47	8.3	19	28	270	36	29.71				FM-15	0.00	29.65
12	1753	7	CLR:00	10.00		90	32.2	81	27.5	48	8.9	24	24	270	32	29.71				FM-15	0.00	29.65
12	1853	7	CLR:00	10.00		86	30.0	76	24.2	51	10.6	30	18	270	28	29.73	3	-0.01		FM-15	0.00	29.67
12	1953	7	CLR:00	10.00		84	28.9	74	23.2	49	9.4	30	17	270	25	29.74				FM-15	0.00	29.68
12	2053	7	CLR:00	10.00		81	27.2	70	21.3	51	10.6	35	17	270		29.74				FM-15	0.00	29.68
12	2153	7	CLR:00	8.00		79	26.1	68	20.3	51	10.6	38	18	260	24	29.76	3	-0.03		FM-15	0.00	29.70
12	2253	7	CLR:00	10.00		78	25.6	68	19.8	51	10.6	39	14	260		29.78				FM-15	0.00	29.72
12	2353	7	CLR:00	10.00		75	23.9	65	18.3	51	10.6	43	13	280		29.77				FM-15	0.00	29.71

FIGURE B-29
IMPERIAL COUNTY AIRPORT (KIPL) QCLCD – SEPTEMBER 13, 2016

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

Local Climatological Data
Hourly Observations
September 2016
Generated on 06/28/2017

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Elev: -58 ft. Lat: 32.8342° N Lon: -115.5786° W
Station: **IMPERIAL CO AIRPORT, CA US WBAN:03144**

Date	Time (LST)	Station Type	Sky Conditions	Visibility	Weather Type (see documentation)	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Altimeter Setting (inHg)
					AU | AW | MW	(F)	(C)	(F)	(C)	(F)	(C)											
13	0023	7	SCT:04 6	4.00	HZ:7 |FU:05 |HZ:05	74	23.3	64	17.9	52	11.1	46	16	280		29.77				FM-16		29.71
13	0032	7	BKN:07 6	4.00	HZ:7 |FU:05 |HZ:05	74	23.3	64	17.9	52	11.1	46	20	270		29.77				FM-16		29.71
13	0041	7	SCT:04 6	5.00	HZ:7 |FU:05 |HZ:05	74	23.3	64	17.9	52	11.1	46	18	260		29.77				FM-16		29.71
13	0053	7	FEW:02 6	6.00	HZ:7 |FU:05 |HZ:05	74	23.3	64	17.9	52	11.1	46	16	270		29.77	0	-0.01	29.71	FM-15	0.00	29.71
13	0133	7	BKN:07 6	4.00	HZ:7 |FU:05 |HZ:05	74	23.3	64	17.9	51	10.6	45	9	290		29.78				FM-16		29.72
13	0153	7	BKN:07 8	4.00	HZ:7 |FU:05 |HZ:05	74	23.3	64	17.9	51	10.6	45	13	290		29.78			29.72	FM-15	0.00	29.72
13	0205	7	SCT:04 7	6.00	HZ:7 |FU:05 |HZ:05	74	23.3	64	17.9	51	10.6	45	13	280		29.78				FM-16		29.72
13	0253	7	CLR:00	10.00		73	22.8	63	17.4	50	10.0	44	10	300		29.78			29.72	FM-15	0.00	29.72
13	0353	7	CLR:00	10.00		73	22.8	63	17.3	49	9.4	43	16	300		29.79	3	-0.02	29.73	FM-15	0.00	29.73
13	0426	7	SCT:04 8	5.00	HZ:7 |FU:05 |HZ:05	72	22.2	62	16.9	49	9.4	44	14	290		29.80				FM-16		29.74
13	0440	7	BKN:07 7	4.00	HZ:7 |FU:05 |HZ:05	72	22.2	62	16.9	50	10.0	46	13	290		29.80				FM-16		29.74
13	0453	7	OVC:08 8	3.00	HZ:7 |FU:05 |HZ:05	72	22.2	62	16.9	49	9.4	44	13	300		29.81			29.75	FM-15	0.00	29.75
13	0507	7	OVC:08 6	2.50	HZ:7 |FU:05 |HZ:05	72	22.2	62	16.9	49	9.4	44	10	300		29.81				FM-16		29.75
13	0521	7	OVC:08 5	1.25	HZ:7 |FU:05 |HZ:05	72	22.2	62	16.9	49	9.4	44	14	260		29.81				FM-16		29.75
13	0540	7	OVC:08 6	1.75	HZ:7 |FU:05 |HZ:05	72	22.2	62	16.9	49	9.4	44	17	270		29.83				FM-16		29.77
13	0548	7	OVC:08 6	2.50	HZ:7 |FU:05 |HZ:05	73	23.0	63	17.3	48	9.0	41	18	270		29.82				FM-16		29.76
13	0553	7	OVC:08 6	3.00	HZ:7 |FU:05 |HZ:05	73	22.8	63	17.3	49	9.4	43	17	270	29	29.83			29.77	FM-15	0.00	29.77
13	0603	7	OVC:08 6	2.00	HZ:7 |FU:05 |HZ:05	73	22.8	63	17.3	49	9.4	43	22	270	30	29.83				FM-16		29.77
13	0618	7	OVC:08 7	4.00	HZ:7 |FU:05 |HZ:05	73	22.8	63	17.3	49	9.4	43	18	290	29	29.84				FM-16		29.78
13	0653	7	BKN:07 6	2.50	HZ:7 |FU:05 |HZ:05	74	23.3	64	17.8	49	9.4	41	21	280	31	29.84	1	-0.04	29.78	FM-15	0.00	29.78
13	0718	7	FEW:02 6 OVC:08 10	5.00	HZ:7 |FU:05 |HZ:05	75	23.9	65	18.3	49	9.4	40	22	290	33	29.85				FM-16		29.79
13	0743	7	SCT:04 16	8.00		75	23.9	65	18.3	49	9.4	40	20	280	34	29.86				FM-16		29.80
13	0753	7	SCT:04 16	10.00		76	24.4	66	18.8	49	9.4	39	22	270	29	29.87			29.81	FM-15	0.00	29.81
13	0853	7	CLR:00	10.00		76	24.4	66	18.8	49	9.4	39	18	270	28	29.88			29.82	FM-15	0.00	29.82
13	0953	7	CLR:00	10.00		83	28.3	73	22.8	48	8.9	30	20	280	28	29.88	1	-0.04	29.82	FM-15	0.00	29.82
13	1053	7	CLR:00	10.00		84	28.9	74	23.4	48	8.9	29	16	290		29.88			29.82	FM-15	0.00	29.82
13	1153	7	CLR:00	10.00		88	31.1	79	26.0	48	8.9	25	14	280		29.86			29.80	FM-15	0.00	29.80
13	1253	7	CLR:00	10.00		91	32.8	83	28.4	47	8.3	22	8	330		29.84	8	+0.03	29.78	FM-15	0.00	29.78
13	1353	7	CLR:00	10.00		94	34.4	89	31.4	45	7.2	18	18	280	26	29.82			29.76	FM-15	0.00	29.76
13	1453	7	CLR:00	10.00		92	33.3	85	29.2	47	8.3	21	24	260	30	29.81			29.75	FM-15	0.00	29.75
13	1553	7	CLR:00	10.00		91	32.8	83	28.2	48	8.9	23	21	280	26	29.82	5	+0.02	29.76	FM-15	0.00	29.76
13	1653	7	CLR:00	10.00		87	30.6	77	25.2	49	9.4	27	17	270	29	29.82			29.76	FM-15	0.00	29.76
13	1753	7	CLR:00	10.00		83	28.3	73	22.6	49	9.4	31	17	270	28	29.83			29.77	FM-15	0.00	29.77
13	1853	7	CLR:00	10.00		81	27.2	71	21.5	49	9.4	33	14	290		29.85	3	-0.03	29.79	FM-15	0.00	29.79
13	1953	7	CLR:00	10.00		79	26.1	69	20.3	50	10.0	36	14	300	24	29.88			29.82	FM-15	0.00	29.82
13	2053	7	CLR:00	10.00		77	25.0	67	19.4	47	8.3	35	9	310		29.90			29.85	FM-15	0.00	29.84
13	2153	7	CLR:00	10.00		76	24.4	66	18.8	48	8.9	37	10	330		29.91	1	-0.06	29.85	FM-15	0.00	29.85
13	2253	7	CLR:00	10.00		74	23.3	64	17.9	45	7.2	36	14	320		29.91			29.85	FM-15	0.00	29.85
13	2353	7	CLR:00	10.00		75	23.9	65	18.4	45	7.2	34	9	330		29.92			29.86	FM-15	0.00	29.86

FIGURE B-30
EL CENTRO NAF (KNJK) QCLCD – SEPTEMBER 12, 2016

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service
Elev: -42 ft. Lat: 32.8167° N Lon: -115.6833° W
Station: **EL CENTRO NAF, CA US WBAN:23199**

Local Climatological Data
Hourly Observations
September 2016
Generated on 06/28/2017

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Date	Time (LST)	Station Type	Sky Conditions	Visibility	Weather Type (see documentation) AU | AW | MW	Dry Bulb Temp (F)	Dry Bulb Temp (C)	Wet Bulb Temp (F)	Wet Bulb Temp (C)	Dew Point Temp (F)	Dew Point Temp (C)	Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Altimeter Setting (inHg)
12	0056	7	CLR:00	10.00		84	28.9	78	25.6	37	2.8	19	14	270		29.85	6	+0.02	29.85	FM-15	0.00	29.81
12	0156	7		10.00		85	29.4	80	26.4	37	2.8	18	13	270		29.85			29.85	FM-15	0.00	29.81
12	0256	7	CLR:00	10.00		82	27.8	73	22.7	44	6.7	26	3	VRB		29.84			29.85	FM-15	0.00	29.80
12	0356	7	CLR:00	10.00		75	23.9	65	18.3	48	8.9	39	7	210		29.86			29.86	FM-15	0.00	29.82
12	0456	7	FEW:02 70	10.00		81	27.2	73	22.9	69	20.6	67	6	170		29.87			29.87	FM-15	0.00	29.83
12	0556	7	FEW:02 70	10.00		80	26.7	72	22.4	68	20.0	67	6	140		29.87			29.88	FM-15	0.00	29.83
12	0656	7	FEW:02 80	10.00		82	27.8	74	23.2	69	20.6	65	7	160		29.88	1	-0.02	29.88	FM-15	0.00	29.84
12	0756	7	FEW:02 80	10.00		85	29.4						6	160		29.88			29.89	FM-15	0.00	29.84
12	0856	7	CLR:00	10.00		89	31.7	78	25.3	67	19.4	48	3	VRB		29.88			29.88	FM-15	0.00	29.84
12	0956	7	FEW:02 80	10.00		94	34.4	83	28.2	59	15.0	31	3	VRB		29.86	8	+0.02	29.87	FM-15	0.00	29.82
12	1056	7	FEW:02 80	10.00		98	36.7	99	37.0	40	4.4	13	3	VRB		29.84			29.84	FM-15	0.00	29.80
12	1156	7	FEW:02 80	10.00		102	38.9	107	41.6	39s	3.9s	11	18	260	28	29.81			29.81	FM-15	T	29.77
12	1256	7	FEW:02 80	8.00		103	39.4	104	40.3	44	6.7	13	26	270		29.78	6	+0.08	29.79	FM-15	0.00	29.74
12	1356	7	FEW:02 80	8.00		103	39.4	104	39.8	45	7.2	14	26	270		29.76			29.77	FM-15	0.00	29.72
12	1456	7	FEW:02 80	7.00		101	38.3	104	40.1	40	4.4	12	28	270	38	29.74			29.75	FM-15	0.00	29.70
12	1556	7	FEW:02 80	7.00		99	37.2	100	38.0	40	4.4	13	31	270		29.73	6	+0.05	29.74	FM-15	0.00	29.69
12	1656	7	FEW:02 80	10.00		94	34.4	90	32.4	42	5.6	17	30	270		29.73			29.74	FM-15	0.00	29.69
12	1756	7	CLR:00	10.00		89	31.7	82	27.7	44	6.7	21	28	280		29.73			29.74	FM-15	0.00	29.69
12	1856	7	CLR:00	10.00		84	28.9	74	23.4	48	8.9	29	23	270		29.74	3	-0.01	29.74	FM-15	0.00	29.70
12	1956	7	CLR:00	10.00		83	28.3	74	23.2	45	7.2	26	23	280		29.75			29.75	FM-15	0.00	29.71
12	2056	7	CLR:00	8.00		80	26.7	70	20.9	49	9.4	34	25	260		29.75			29.75	FM-15	0.00	29.71
12	2156	7	CLR:00	6.00	HZ:7 |FU:05 |HZ:05	78	25.6	68	19.9	48	8.9	35	23	260		29.76	3	-0.02	29.77	FM-15	T	29.72
12	2256	7	CLR:00	7.00	-RA:02 |RA:61 |	78	25.6	68	19.9	47	8.3	33	28	250	33	29.76			29.77	FM-15	T	29.72
12	2356	7	CLR:00	8.00	-RA:02 |RA:61 |	75	23.9	65	18.3	49	9.4	40	18	240	26	29.78			29.79	FM-15	T	29.74

FIGURE B-31
EL CENTRO NAF (KNJK) QCLCD – SEPTEMBER 13, 2016

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service
Elev: -42 ft. Lat: 32.8167° N Lon: -115.6833° W
Station: **EL CENTRO NAF, CA US WBAN:23199**

Local Climatological Data
Hourly Observations
September 2016
Generated on 06/28/2017

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Date	Time (LST)	Station Type	Sky Conditions	Visibility	Weather Type (see documentation) AU | AW | MW	Dry Bulb Temp (F)	Dry Bulb Temp (C)	Wet Bulb Temp (F)	Wet Bulb Temp (C)	Dew Point Temp (F)	Dew Point Temp (C)	Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Altimeter Setting (inHg)
13	0009	7	SCT:04 6	4.00	-RA:02 |RA:61 |	74	23.3	64	17.8	50	10.0	43	24	250		29.78				FM-16	T	29.74
13	0054	6	FEW:02 5 BKN:07 9	3.00	HZ:7 ||HZ:05	73	23.0	63	17.3	48	9.0	41	21	270		29.79				FM-16		29.75
13	0056	7	BKN:07 7	3.00	HZ:7 |FU:05 |HZ:05	74	23.3	64	17.8	50	10.0	43	22	260		29.79	3	-0.02	29.79	FM-15	T	29.75
13	0107	7	BKN:07 7	3.00	-RA:02 |RA:61 |	73	22.8	63	17.4	50	10.0	44	21	270		29.78				FM-16	T	29.74
13	0120	7	SCT:04 7	4.00	-RA:02 |RA:61 |	73	22.8	63	17.3	49	9.4	43	22	270		29.78				FM-16	T	29.74
13	0156	7	CLR:00	6.00	HZ:7 |FU:05 |HZ:05	73	22.8	63	17.3	49	9.4	43	18	280		29.78			29.78	FM-15	T	29.74
13	0256	7	CLR:00	10.00		72	22.2	62	16.9	48	8.9	43	18	260		29.78			29.78	FM-15	T	29.74
13	0356	7	CLR:00	9.00	-RA:02 |RA:61 |	72	22.2	62	16.8	47	8.3	41	17	260		29.79	3	-0.00	29.79	FM-15	T	29.75
13	0454	6	FEW:02 4 BKN:07 280	2.50	HZ:7 DU:5 ||HZ:05 DU:07	72	22.0	62	16.8	46	8.0	41	21	260		29.81				FM-16		29.77
13	0456	7	FEW:02 4 BKN:07 280	2.50	DU:5 ||DU:07	72	22.2	62	16.8	47	8.3	41	22	260		29.81			29.81	FM-15	T	29.77
13	0554	6	FEW:02 4 BKN:07 280	1.50	DU:5 ||DU:07	72	22.0	62	16.8	46	8.0	41	23	280	32	29.84				FM-16		29.80
13	0556	7	FEW:02 4 BKN:07 280	1.25	DU:5 ||DU:07	71	21.7	61	16.4	47	8.3	42	25	280	32	29.84			29.84	FM-15	0.00	29.80
13	0609	7	FEW:02 4 BKN:07 280	3.00	DU:5 ||DU:07	71	21.7	61	16.4	47	8.3	42	24	280		29.84				FM-16		29.80
13	0654	6	FEW:02 8 BKN:07 280	2.50	DU:5 ||DU:07	73	23.0	63	17.3	46	8.0	38	26	280	32	29.85				FM-16		29.81
13	0656	7	FEW:02 8 BKN:07 280	2.50	DU:5 ||DU:07	73	22.8	63	17.3	47	8.3	40	29	280		29.85	1	-0.06	29.85	FM-15	0.00	29.81
13	0756	7	FEW:02 7 BKN:07 280	2.50	DU:5 ||DU:07	75	23.9	65	18.3	47	8.3	37	24	280	40	29.87			29.87	FM-15	0.00	29.83
13	0821	7	FEW:02 7 BKN:07 280	4.00	DU:5 ||DU:07	74	23.3	64	17.8	47	8.3	38	28	270	33	29.88				FM-16		29.84
13	0856	7	FEW:02 7 BKN:07 280	4.00	DU:5 ||DU:07	78	25.6	68	20.0	46	7.8	32	24	270	32	29.88			29.89	FM-15	0.00	29.84
13	0956	7	BKN:07 280	6.00	DU:5 ||DU:07	80	26.7	70	21.3	45	7.2	29	26	280	31	29.88	0	-0.03	29.88	FM-15	0.00	29.84
13	1056	7	BKN:07 280	8.00		83	28.3	74	23.4	44	6.7	25	21	270		29.88			29.88	FM-15	T	29.84
13	1156	7	BKN:07 280	10.00		88	31.1	81	27.2	43	6.1	21	16	270		29.86			29.86	FM-15	0.00	29.82
13	1256	7	SCT:04 280	10.00		91	32.8	86	29.9	42	5.6	18	17	260	25	29.84			29.85	FM-15	0.00	29.80
13	1356	6	FEW:02 280	10.00		93	33.9	89	31.9	41	5.0	16	26	270		29.83			29.83	FM-15	0.00	29.79
13	1456	7	FEW:02 280	10.00		92	33.3	87	30.4	43	6.1	18	26	270		29.83			29.83	FM-15	0.00	29.79
13	1556	7	FEW:02 280	10.00		89	31.7	82	27.7	44	6.7	21	26	260		29.82	6	+0.02	29.83	FM-15	0.00	29.78
13	1656	7	FEW:02 280	10.00		86	30.0	77	25.2	45	7.2	24	24	260	30	29.83			29.83	FM-15	0.00	29.79
13	1756	7	FEW:02 280	10.00		82	27.8	72	22.4	46	7.8	28	23	260		29.84			29.84	FM-15	0.00	29.80
13	1856	7	FEW:02 280	10.00		79	26.1	69	20.5	47	8.3	32	17	280	29	29.86	3	-0.04	29.86	FM-15	0.00	29.82
13	1957	7	FEW:02 280	10.00		77	25.0	67	19.4	46	7.8	33	17	290		29.86			29.86	FM-15	0.00	29.82
13	2056	7	CLR:00	10.00		76	24.4	66	18.9	46	7.8	35	7	310		29.86			29.86	FM-15	0.00	29.82
13	2156	7	CLR:00	10.00		75	23.9	65	18.4	44	6.7	33	18	310		29.86			29.86	FM-15	0.00	29.82
13	2256	7	CLR:00	10.00		73	22.8			43	6.1	34	14	310						FM-15	0.00	
13	2356	7	CLR:00	10.00		75	23.9			43	6.1	32	16	300						FM-15	0.00	